



**STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
COOKEVILLE ENVIRONMENTAL FIELD OFFICE**

**DIVISION OF WATER POLLUTION CONTROL  
1221 SOUTH WILLOW AVENUE  
COOKEVILLE, TN 38506**

**PHONE 931-432-4015**

**STATEWIDE 1-888-891-8332**

**FAX 931-432-6952**

June 23, 2009

Mr. Ted Meadows, City Manager  
City of Crossville  
99 Municipal Ave.  
Crossville, TN 38555

**CERTIFIED MAIL**

**Return Receipt Requested**

**Receipt # 91 7108 2133 3936 6361 8372**

**Re: Compliance Evaluation Inspection  
City of Crossville – Holiday Hills Water Treatment Plant  
NPDES # TN0060941 – Permit Expires September 27, 2009  
Receiving Water: Obed River, Cumberland County, TN**

Dear Mr. Meadows:

On May 27, 2009, personnel from the Tennessee Division of Water Pollution Control conducted a Compliance Evaluation Inspection (CEI) at the City of Crossville Holiday Hills Water Treatment Plant (WTP). The purpose of the inspection was to evaluate compliance with the general NPDES permit for WTP filter backwash and sedimentation basin discharge and to determine the reliability of data submitted on the Discharge Monitoring Reports (DMR). The discharge is to the Obed River at mile 39.9.

**Permit and Records**

The Holiday Hills WTP is operating under a general NPDES permit that became effective on October 27, 2004 and will expire on September 27, 2009. A completed Notice of Intent (NOI) must be submitted prior to permit expiration to maintain coverage under an expired general permit (until a new general permit is issued). Copies of the NOI form (Form CN-1225) and the current General NPDES Permit for Discharges of Filter Backwash and Sedimentation Basin Washwater from Water Treatment Plants are available online at <http://www.state.tn.us/environment/permits/filtwash.shtml>.

The permit requires that tested parameters be sampled once per month. The required records are being maintained and were readily available. The records were found to be consistent with the data submitted on the DMRs. The DMRs are promptly sent to the Nashville Central Office.

**Facility Review**

Filter backwash water is discharged to a concrete sediment basin prior to discharge to the Obed River. The water in the sediment basin was very clear and had no noticeable odor. A thermodyne polymer is used to reduce turbidity. Sludge from the clarifiers is pumped to the wastewater treatment plant via a sewer connection. The facility and grounds were clean and well-maintained.

### **Laboratory Review and Recommendations**

The laboratory and associated equipment and instruments were well-maintained and organized. Some records are being maintained at the Meadow Park WTP. Equipment calibration logs are being maintained in a loose leaf notebook. It is recommended that these logs and other records be maintained in a bound notebook. A portion of the laboratory tests are being performed at the wastewater treatment plant (total suspended solids and settleable solids). Chlorine and pH tests are being performed at the water plant due to sample holding time requirements. Sampling for aluminum is required by the permit due to the presence of aluminum in the thermodyne polymer. A review/audit of the method used in the aluminum analysis is recommended to ensure consistency with the approved method.

We extend our thanks to Mr. Joe Kerley and the staff at the Holiday Hills WTP for their time and courtesy during the inspection. If you have any questions, you may contact me at (931) 432-7642 or by E-mail at *Martin.Smith@ tn.gov*.

Sincerely,

A handwritten signature in blue ink that reads "Martin Smith". The signature is written in a cursive, flowing style.

Martin Smith  
Division of Water Pollution Control  
Cookeville Environmental Field Office

CC: Mr. Patrick Parker, WPC Nashville Central Office, Enforcement & Compliance Mgr (*via E-mail*)  
Mr. Rob Howard, WPC Cookeville EFO, Program Manager (*via E-mail*)  
Mr. Johnny Walker, DWS Cookeville EFO, Program Manager (*via E-mail*)  
WPC File (Cumberland County)

Enclosure: EPA 3560 Form